

ABSTRACT OF THE DISCLOSURE

Air for reforming used in the reformation reaction in a reformer 3 of a fuel cell system FCS is supplied into an evaporator 2. In the evaporator 2, raw fuel liquid is evaporated to produce raw fuel gas. The reforming air and the raw fuel gas are well admixed within the evaporator 2 and a conduit 8C connecting the evaporator 2 to the reformer 3. At the starting of the fuel cell system FCS, a large amount of the air is introduced into the evaporator 2 via an air inlet port 14B for starting. The fuel cell system having such a configuration can appropriately mix the fuel gas in the reformer with the reforming air and can rapidly operate the evaporator and the reformer at the time of starting without enlarging the total size of the fuel cell system.